

# Viral Vectors for Gene Therapy – Manufacturing

**MassBiologics, Fall River, MA**

**Virtual Course**

**March 9-11, 2021**

**Course Description:** This course teaches fundamental concepts in viral vectors for gene therapy and how to manufacture them. The course utilizes case studies and laboratory practices to demonstrate critical steps in the production of viral vectors.

**Instructors:** Dr. David McNally (MassBiologics), Dr. Phillip Tai (UMass Medical School), Dr. Shekar Ganesa (MassBiologics), Dr. Sangmook Lee (MassBiologics), Tom Larkin (MassBiologics), Dr. Gretchen Gee (MassBiologics), Dr. Matthew Burak (MassBiologics), and more (details to be announced).

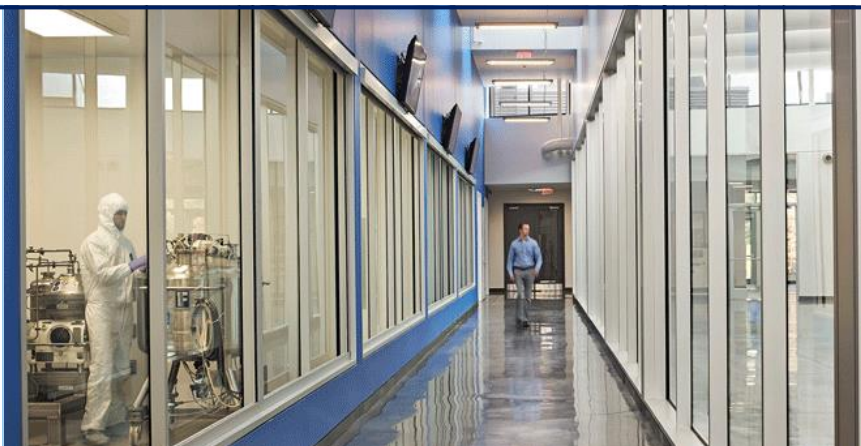
## **TARGET AUDIENCE:**

Scientist, Senior Research Scientist, Bioprocess Engineer, or equivalent in Pharmaceuticals, Biopharmaceuticals

## **COURSE OBJECTIVES:**

At the completion of this course, the participant will be able to:

- Understand the major viral vector systems used for gene therapy and their advantages and disadvantages
- Understand the major expression systems used to manufacture viral vectors for use in gene therapy
- Understand the biochemistry of viral vectors, their quality attributes and how to measure them
- Describe some common pitfalls to avoid when processing viral vectors
- Execute transient transfection processes for the production of AAV using suspension HEK293 cells and process the material generated using filtration and chromatographic methods



## **REGISTRATION:**

Register [here](#)

Cost of attendance is \$2,500; 50% discount for academic and government

BioTnet (**Bi**omanufacturing **T**raining **n**etwork) is a collaborative training network building workforce training and development solutions for the U.S. biopharmaceutical manufacturing industry. The NIIMBL-supported training network includes UMass Lowell, UMass Dartmouth, MassBiologics, and MIT with industry input from Merck & Co., Pfizer, and Millipore Sigma.

